

IMAGING SYSTEM AND METHOD FOR MONITORING AN EYE**Abstract of the Disclosure**

A system and method are provided for monitoring an eye. The system includes a video imaging camera oriented to generate images of an eye. The camera is aligned along an imaging axis. A first light source is located at an angle less than 2.5 degrees of the imaging axis for illuminating the eye. A second light source is arranged at an angle greater than 4.5 degrees from the imaging axis for illuminating the eye. The system includes a processor for processing the images generated with the video imaging camera during illumination of the eye with the first light source and during illumination of the eye with the second light source.